

Summary

Dealuminated catalyst carrier, process for producing
the catalyst carrier and process for hydrating C₂ or C₃
olefins with water in the presence of a catalyst which
5 comprises this catalyst carrier impregnated with acid.

Abstract

What is claimed is a dealuminated catalyst carrier, a
process for producing a catalyst carrier with reduced
aluminium content based on naturally occurring lattice-
10 layer silicates, such as ^{as, for example,} ~~for example~~ montmorillonite,
as well as a process for the hydration reaction of ~~C₂~~
^{C₂-or C₃-olefins} ~~or C₃~~ olefins in which said catalyst carrier with re-
duced aluminium content is used. For acid-catalysed hy-
dration reaction the catalyst carrier is impregnated
15 with phosphoric acid.

(The improvements according to the invention of the hy-
dration reaction compared to conventional processes in-
clude the fact that no aluminium is leached out of the
carrier in the presence of the phosphoric acid. As a
20 result no more blockage of the succeeding apparatus due
to aluminium phosphate are expected.